



**MEMO**  
**TOM NEWBY SCHOOL EXAMINATION**



<b>Subject</b>	<b>NS/TECH</b>	<b>Examiner</b>	<b>MS M. MPESU</b>
<b>Date</b>	<b>14 JUNE 2017</b>	<b>Total marks</b>	<b>50</b>
<b>Session</b>	<b>1</b>	<b>Duration</b>	<b>1 HOUR</b>
<b>Grade</b>	<b>4</b>	<b>Moderator</b>	<b>MRS M. FOURIE</b>
<b>Special instructions/ Equipment</b>	<b>Read and answer ALL questions carefully. Good Luck. Think before you INK!</b>		
This assessment has been compiled using notes and information contained in the Tom Newby School resource material. The marking memorandum has been compiled accordingly. While alternative responses will be given due acknowledgement, the official memorandum will be considered a priority document to ensure uniformity of marking.			

Name:	Surname:	Class:
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**QUESTION 1**

**(10)**

**State whether the following questions are True or False.**

1. ALL living things give birth **False**
2. Some living things do not do all the seven life processes **False**
3. Seeds germinate **True**
4. ALL plants produce flowers **False**
5. Animals can sense much more than humans **True**
6. Roots make food for the plant **False**
7. Plants do not need habitats **False**
8. A galjoen is a type of plant **False**
9. Technology is all about Natural Science **False**
10. A solid structure is made up of different parts joined together **False**

**QUESTION 2**

**(10)**

**Identify and circle the correct answer from the statements/questions.**

1. Which of the following is not a living thing?
  - a) Strelitzia
  - b) Zebra
  - c) Seed
  - d) **Water**

2. Which of the following is a shell structure?

- a. Fire
- b. Fish
- c. Egg
- d. Wood

3. The \_\_\_\_\_ anchors the plant into the ground

- a. Stem
- b. Leaves
- c. Roots
- d. Flowers

4. Look at the pictures. Which animal uses its tail to keep warm?

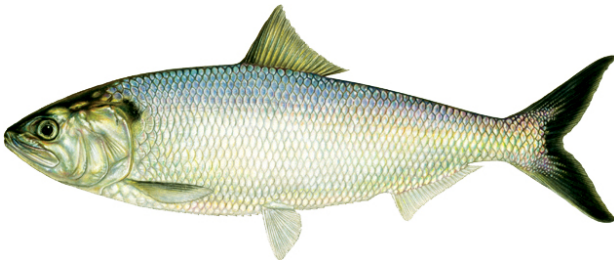
a.



b.



c.



d.



5. Plants use sunlight, water and \_\_\_\_\_ to make their own food.

- a. Oxygen
- b. Water
- c. Carbon dioxide
- d. Roots

6. Seeds need warmth, air and \_\_\_\_\_ to germinate.
- a. Energy
  - b. Oxygen
  - c. Sunlight
  - d. Water
7. All the following live in water except.
- a. An Octopus
  - b. An Eel
  - c. A Shark
  - d. A King protea
8. To camouflage means to.
- a. be a predator
  - b. be in a habitat
  - c. blend in
  - d. mix up
9. Which of the following is one of our national symbols?
- a. Lion
  - b. Buffalo
  - c. The big 5
  - d. Bluecrane
10. What is the job (function) of this structure?
- a. To protect
  - b. To contain
  - c. To support
  - d. To span a gap



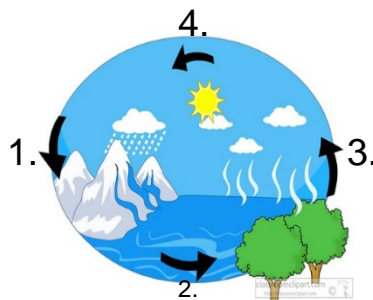
**QUESTION 3****(10)**

**Provide a suitable explanation/description for each of the following:**

1. Habitat. **A natural home for a plant or animal**
2. Prey **An animal hunted by other animals for food**
3. Predator **An animal that hunts other animals for food**
4. Eco-location **A special sense used by animals to locate prey or young one**
5. Germinate **When a seed turns into a plant**
6. Design brief **A plan of what you are going to make**
7. Frame structure **A structure made up of different parts joined together**
8. Evaporate **When a liquid turns into a gas**
9. Temperature **How hot or how cold something is**
10. Natural **Not made by humans**

**QUESTION 4****(11)****Materials around us.**

1. What is matter? **Everything around us is made up of matter**
2. Name the 3 states of matter.  
**gas, solid and liquid**
3. Matter can change from one state to another. In your own words, explain the following words associated with change in matter.
  - a. Melting **When a solid turns into a liquid**
  - b. Solidifying **When a liquid turns into a solid**
  - c. Condensation **When gas turns into liquid**
  - d. This is a diagram of a water cycle. Label the missing parts.



1. <b>Precipitation</b>	2. <b>Collection</b>	3. <b>Evaporation</b>	4. <b>Condensation</b>
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**QUESTION 5****(9)****Solid materials**

Explain what a raw and a manufactured material and give an example for each.

- 1a. Raw materials - **Material that has not been processed**
  - b. Example – **Wood, soil**
- 2a. Manufactured material – **Material that has been processed**
  - b. Example – **Cooked food, glass, pot**
3. Match the following raw materials from List A with their manufactured material from List B.

<b><u>LIST A</u></b>					<b><u>LIST B</u></b>				
1. Ceramics					a. Sand				
2. Glass					b. Clay				
3. Paper					c. Coal				
4. Plastic					d. Wood				
5. Boots					e. Leather				
<b>B</b>	<b>A</b>	<b>D</b>	<b>C</b>	<b>E</b>					

# Good luck!

